

To: Schmittziel, Paula[Schmittziel.Paula@epa.gov]; 'Rob Runkel'[runkel@usgs.gov]; Wall, Dan[wall.dan@epa.gov]
Cc: 'Brent Lewis'[Brent_Lewis@blm.gov]; doug.jamison@state.co.us[doug.jamison@state.co.us]
From: Peter Butler
Sent: Mon 9/29/2014 9:52:08 PM
Subject: RE: Water Quality Standards for Upper Animas River

I think everyone thought the meetings all went well. The La Plata County administrator and attorney want a tour of Cement Cr. I took the La Plata County Commissioners about a year and half ago.

We are looking at a meeting on the fourth Tuesday in October, the 28th. That should be a good wrap up for all the summer and fall field activities. I think we will try having a conference phone.

At this point, I do not expect meetings in November or December.

Peter Butler

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From: Schmittziel, Paula [mailto:Schmittziel.Paula@epa.gov]
Sent: Monday, September 29, 2014 2:19 PM
To: Peter Butler; Rob Runkel; Wall, Dan
Cc: Brent Lewis (Brent_Lewis@blm.gov); doug.jamison@state.co.us
Subject: RE: Water Quality Standards for Upper Animas River

Peter – Thanks so much for sending these standards. It does get quite confusing sometimes so its good to have someone familiar with the State's standards guiding us.

I think we had good meetings and discussions last week. I hope that other members of

ARSG found the meetings helpful. Are you planning on a meeting in October? Just wondering so I get it on my calendar ASAP. Thanks again.

Paula Schmittiel

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From: Peter Butler [<mailto:butlerpeter2@gmail.com>]

Sent: Monday, September 29, 2014 1:25 PM

To: Rob Runkel; Wall, Dan

Cc: Schmittiel, Paula

Subject: Water Quality Standards for Upper Animas River

Rob and Dan – Attached are the actual water quality standards adopted for the Upper Animas River in 2001. There are several metals at the gaging stations that have site specific values other than Table Value Standards (TVS). The specific values are monthly standards on the last three pages. I never liked using monthly standards as opposed to seasonal standards, but that is what we ended up with. I'm quite sure this is the only location in the state with monthly water quality standards.

Segment 3a is measured at A68 and segment 4a is measured at A72. Segment 9 is measured at M34.

At the time these standards were adopted, TVS for cadmium was much less stringent than today.

If we had had today's cadmium TVS, we would have pushed for site specific cadmium numbers, because today's cadmium TVS is generally unattainable in the upper Animas. Zinc and Aluminum TVS have also changed since 2001 but not dramatically.

There were some temporary modifications to the standards that have expired, except for ones on segment 3b (Animas from Cement Cr. to Mineral Cr. which are in place to help the Silverton wastewater treatment plant. It gets some groundwater infiltration.) There are also some arsenic temp. mods. , but those are designed to address a statewide issue and have nothing to do specifically with the Animas.

Let me know if you have any questions.

Peter Butler

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